

```

Last login: Fri May 14 10:23:34 on ttys000
newhuaweiapstaff-10-57-31-133:~ aoeshagaedmalsobhe$ for ((i=0; i<=1000; i++)); d
o
> mcl /Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetWork/integrated$i.txt --
abc -I 1.8 -o outfile$i
> done
___ [mcxIOOpen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetWork
/integrated0.txt> cannae be opened
.[mcl] new tab created
[mcl] pid 2381
ite ----- chaos   time hom(avg,lo,hi) m-ie m-ex i-ex fmv
 1 ..... 235.91  0.18 1.01/0.00/4.05 29.69 26.03 26.03  1
 2 ..... 116.70  2.69 0.68/0.10/1.21 18.87 0.66 17.20 60
 3 .....  37.18  1.15 0.77/0.13/1.81 25.59 0.26  4.39 74
 4 .....  12.23  0.20 0.88/0.24/2.44  8.61 0.32  1.40 13
 5 .....   6.18  0.03 0.92/0.26/1.93  2.48 0.48  0.67  0
 6 .....   3.31  0.01 0.96/0.40/1.75  1.25 0.66  0.45  0
 7 .....   2.44  0.01 0.97/0.44/1.47  1.06 0.79  0.35  0
 8 .....   1.24  0.01 0.98/0.48/1.31  1.03 0.87  0.31  0
 9 .....   1.00  0.01 0.98/0.42/1.29  1.01 0.92  0.28  0
10 .....   0.85  0.01 0.99/0.53/1.25  1.00 0.96  0.27  0
11 .....   0.62  0.01 0.99/0.55/1.15  1.00 0.97  0.26  0
12 .....   0.47  0.01 1.00/0.54/1.20  1.00 0.97  0.25  0
13 .....   0.45  0.01 1.00/0.55/1.24  1.00 0.98  0.25  0
14 .....   0.37  0.01 1.00/0.56/1.00  1.00 0.99  0.25  0
15 .....   0.37  0.01 1.00/0.76/1.00  1.00 0.99  0.24  0
16 .....   0.25  0.01 1.00/0.76/1.00  1.00 0.99  0.24  0
17 .....   0.25  0.01 1.00/0.76/1.00  1.00 1.00  0.24  0
18 .....   0.25  0.01 1.00/0.76/1.00  1.00 1.00  0.24  0
19 .....   0.18  0.01 1.00/0.82/1.00  1.00 1.00  0.24  0
20 .....   0.05  0.01 1.00/0.95/1.00  1.00 1.00  0.24  0
21 .....   0.00  0.01 1.00/1.00/1.00  1.00 1.00  0.24  0
22 .....   0.00  0.01 1.00/1.00/1.00  1.00 1.00  0.24  0
[mcl] cut <3> instances of overlap
[mcl] jury pruning marks: <98,97,99>, out of 100
[mcl] jury pruning synopsis: <97.9 or superb> (cf -scheme, -do log)
[mcl] output is in outfile1
[mcl] 3113 clusters found
[mcl] output is in outfile1

```

Please cite:

Stijn van Dongen, Graph Clustering by Flow Simulation. PhD thesis,
University of Utrecht, May 2000.
(<http://www.library.uu.nl/digiarchief/dip/diss/1895620/full.pdf>
or <http://micans.org/mcl/lit/svdthesis.pdf.gz>)

OR

Stijn van Dongen, A cluster algorithm for graphs. Technical
Report INS-R0010, National Research Institute for Mathematics
and Computer Science in the Netherlands, Amsterdam, May 2000.
(<http://www.cwi.nl/ftp/CWIREports/INS/INS-R0010.ps.Z>
or <http://micans.org/mcl/lit/INS-R0010.ps.Z>)

.[mcl] new tab created

[mcl] pid 2382

ite	-----	chaos	time	hom(avg,lo,hi)	m-ie	m-ex	i-ex	fmv
1	.....	235.91	0.18	1.01/0.00/4.05	29.69	26.03	26.03	1
2	.....	116.70	2.68	0.68/0.10/1.21	18.87	0.66	17.20	60
3	.....	37.18	1.15	0.77/0.13/1.81	25.59	0.26	4.39	74
4	.....	12.23	0.19	0.88/0.24/2.44	8.61	0.32	1.40	13
5	.....	6.18	0.03	0.92/0.26/1.93	2.48	0.48	0.67	0
6	.....	3.31	0.01	0.96/0.40/1.75	1.25	0.66	0.45	0
7	.....	2.44	0.01	0.97/0.44/1.47	1.06	0.79	0.35	0
8	.....	1.24	0.01	0.98/0.48/1.31	1.03	0.87	0.31	0
9	.....	1.00	0.01	0.98/0.42/1.29	1.01	0.92	0.28	0
10	.....	0.85	0.01	0.99/0.53/1.25	1.00	0.96	0.27	0
11	.....	0.62	0.01	0.99/0.55/1.15	1.00	0.97	0.26	0
12	.....	0.47	0.01	1.00/0.54/1.20	1.00	0.97	0.25	0
13	.....	0.45	0.01	1.00/0.55/1.24	1.00	0.98	0.25	0
14	.....	0.37	0.01	1.00/0.56/1.00	1.00	0.99	0.25	0
15	.....	0.37	0.01	1.00/0.76/1.00	1.00	0.99	0.24	0
16	.....	0.25	0.01	1.00/0.76/1.00	1.00	0.99	0.24	0
17	.....	0.25	0.01	1.00/0.76/1.00	1.00	1.00	0.24	0
18	.....	0.25	0.01	1.00/0.76/1.00	1.00	1.00	0.24	0
19	.....	0.18	0.01	1.00/0.82/1.00	1.00	1.00	0.24	0
20	.....	0.05	0.01	1.00/0.95/1.00	1.00	1.00	0.24	0
21	.....	0.00	0.01	1.00/1.00/1.00	1.00	1.00	0.24	0
22	.....	0.00	0.01	1.00/1.00/1.00	1.00	1.00	0.24	0

[mcl] cut <3> instances of overlap

[mcl] jury pruning marks: <98,97,99>, out of 100

[mcl] jury pruning synopsis: <97.9 or superb> (cf -scheme, -do log)

[mcl] output is in outfile2

[mcl] 3113 clusters found

[mcl] output is in outfile2

Please cite:

Stijn van Dongen, Graph Clustering by Flow Simulation. PhD thesis,
University of Utrecht, May 2000.

(<http://www.library.uu.nl/digiarchief/dip/diss/1895620/full.pdf>
or <http://micans.org/mcl/lit/svdthesis.pdf.gz>)

OR

Stijn van Dongen, A cluster algorithm for graphs. Technical
Report INS-R0010, National Research Institute for Mathematics
and Computer Science in the Netherlands, Amsterdam, May 2000.

(<http://www.cwi.nl/ftp/CWIreports/INS/INS-R0010.ps.Z>
or <http://micans.org/mcl/lit/INS-R0010.ps.Z>)

.[mcl] new tab created

[mcl] pid 2383

ite	-----	chaos	time	hom(avg,lo,hi)	m-ie	m-ex	i-ex	fmv
1	.....	235.91	0.19	1.01/0.00/4.05	29.69	26.03	26.03	1
2	.....	116.70	2.67	0.68/0.10/1.21	18.87	0.66	17.20	60
3	.....	37.18	1.16	0.77/0.13/1.81	25.59	0.26	4.39	74
4	.....	12.23	0.20	0.88/0.24/2.44	8.61	0.32	1.40	13
5	.....	6.18	0.03	0.92/0.26/1.93	2.48	0.48	0.67	0

6	.....	3.31	0.01	0.96/0.40/1.75	1.25	0.66	0.45	0
7	.....	2.44	0.01	0.97/0.44/1.47	1.06	0.79	0.35	0
8	.....	1.24	0.01	0.98/0.48/1.31	1.03	0.87	0.31	0
9	.....	1.00	0.01	0.98/0.42/1.29	1.01	0.92	0.28	0
10	.....	0.85	0.01	0.99/0.53/1.25	1.00	0.96	0.27	0
11	.....	0.62	0.01	0.99/0.55/1.15	1.00	0.97	0.26	0
12	.....	0.47	0.01	1.00/0.54/1.20	1.00	0.97	0.25	0
13	.....	0.45	0.01	1.00/0.55/1.24	1.00	0.98	0.25	0
14	.....	0.37	0.01	1.00/0.56/1.00	1.00	0.99	0.25	0
15	.....	0.37	0.01	1.00/0.76/1.00	1.00	0.99	0.24	0
16	.....	0.25	0.01	1.00/0.76/1.00	1.00	0.99	0.24	0
17	.....	0.25	0.01	1.00/0.76/1.00	1.00	1.00	0.24	0
18	.....	0.25	0.01	1.00/0.76/1.00	1.00	1.00	0.24	0
19	.....	0.18	0.01	1.00/0.82/1.00	1.00	1.00	0.24	0
20	.....	0.05	0.01	1.00/0.95/1.00	1.00	1.00	0.24	0
21	.....	0.00	0.01	1.00/1.00/1.00	1.00	1.00	0.24	0
22	.....	0.00	0.01	1.00/1.00/1.00	1.00	1.00	0.24	0

[mcl] cut <3> instances of overlap

[mcl] jury pruning marks: <98,97,99>, out of 100

[mcl] jury pruning synopsis: <97.9 or superb> (cf -scheme, -do log)

[mcl] output is in outfile3

[mcl] 3113 clusters found

[mcl] output is in outfile3

Please cite:

Stijn van Dongen, Graph Clustering by Flow Simulation. PhD thesis,
University of Utrecht, May 2000.

(<http://www.library.uu.nl/digiarchief/dip/diss/1895620/full.pdf>
or <http://micans.org/mcl/lit/svdthesis.pdf.gz>)

OR

Stijn van Dongen, A cluster algorithm for graphs. Technical
Report INS-R0010, National Research Institute for Mathematics
and Computer Science in the Netherlands, Amsterdam, May 2000.

(<http://www.cwi.nl/ftp/CWIREports/INS/INS-R0010.ps.Z>
or <http://micans.org/mcl/lit/INS-R0010.ps.Z>)

.[mcl] new tab created

[mcl] pid 2384

ite	-----	chaos	time	hom(avg,lo,hi)	m-ie	m-ex	i-ex	fmv
1	.....	235.91	0.18	1.01/0.00/4.05	29.69	26.03	26.03	1
2	.....	116.70	2.71	0.68/0.10/1.21	18.87	0.66	17.20	60
3	.....	37.18	1.15	0.77/0.13/1.81	25.59	0.26	4.39	74
4	.....	12.23	0.20	0.88/0.24/2.44	8.61	0.32	1.40	13
5	.....	6.18	0.03	0.92/0.26/1.93	2.48	0.48	0.67	0
6	.....	3.31	0.01	0.96/0.40/1.75	1.25	0.66	0.45	0
7	.....	2.44	0.01	0.97/0.44/1.47	1.06	0.79	0.35	0
8	.....	1.24	0.01	0.98/0.48/1.31	1.03	0.87	0.31	0
9	.....	1.00	0.01	0.98/0.42/1.29	1.01	0.92	0.28	0
10	.....	0.85	0.01	0.99/0.53/1.25	1.00	0.96	0.27	0
11	.....	0.62	0.01	0.99/0.55/1.15	1.00	0.97	0.26	0
12	.....	0.47	0.01	1.00/0.54/1.20	1.00	0.97	0.25	0
13	.....	0.45	0.01	1.00/0.55/1.24	1.00	0.98	0.25	0

14	.....	0.37	0.01	1.00/0.56/1.00	1.00	0.99	0.25	0
15	.....	0.37	0.01	1.00/0.76/1.00	1.00	0.99	0.24	0
16	.....	0.25	0.01	1.00/0.76/1.00	1.00	0.99	0.24	0
17	.....	0.25	0.01	1.00/0.76/1.00	1.00	1.00	0.24	0
18	.....	0.25	0.01	1.00/0.76/1.00	1.00	1.00	0.24	0
19	.....	0.18	0.01	1.00/0.82/1.00	1.00	1.00	0.24	0
20	.....	0.05	0.01	1.00/0.95/1.00	1.00	1.00	0.24	0
21	.....	0.00	0.01	1.00/1.00/1.00	1.00	1.00	0.24	0
22	.....	0.00	0.01	1.00/1.00/1.00	1.00	1.00	0.24	0

[mcl] cut <3> instances of overlap

[mcl] jury pruning marks: <98,97,99>, out of 100

[mcl] jury pruning synopsis: <97.9 or superb> (cf -scheme, -do log)

[mcl] output is in outfile4

[mcl] 3113 clusters found

[mcl] output is in outfile4

Please cite:

Stijn van Dongen, Graph Clustering by Flow Simulation. PhD thesis,
University of Utrecht, May 2000.

(<http://www.library.uu.nl/digiarchief/dip/diss/1895620/full.pdf>

or <http://micans.org/mcl/lit/svdthesis.pdf.gz>)

OR

Stijn van Dongen, A cluster algorithm for graphs. Technical
Report INS-R0010, National Research Institute for Mathematics
and Computer Science in the Netherlands, Amsterdam, May 2000.

(<http://www.cwi.nl/ftp/CWIREports/INS/INS-R0010.ps.Z>

or <http://micans.org/mcl/lit/INS-R0010.ps.Z>)

```
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated5.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated6.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated7.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated8.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated9.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated10.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated11.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated12.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated13.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated14.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated15.txt> cannae be opened
___ [mcxIOopen] r stream </Users/aoeshagaedmalsobhe/NetBeansProjects/PFINNetwork
/integrated16.txt> cannae be opened
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]